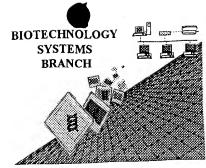*0420 02-27-01.*

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *09/775,398*

Source: *OIPE*

Date Processed by STIC: *2/21/2001*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

```
         RAW SEQUENCE LISTING              DATE: 02/21/2001
         PATENT APPLICATION:  US/09/775,398    TIME: 10:53:03

         Input Set : A:\ES.txt
         Output Set: N:\CRF3\02212001\I775398.raw

   3 <110> APPLICANT: Ohio State Research Foundtaion
   4        Plass, Christoph
   6 <120> TITLE OF INVENTION: Detection of Methylated CpG Rich Sequences Diagnostic for
   7        Malignant Cells
   9 <130> FILE REFERENCE: 22727/04075
  11 <140> CURRENT APPLICATION NUMBER: US/09/775,398
  11 <141> CURRENT FILING DATE: 2001-01-31
  11 <160> NUMBER OF SEQ ID NOS: 90
  13 <170> SOFTWARE: PatentIn version 3.0


ERRORED SEQUENCES

  1179 <210> SEQ ID NO: 33
  1180 <211> LENGTH: (708)  698
  1181 <212> TYPE: DNA
  1182 <213> ORGANISM: Homo sapiens 2.G.10
  1184 <400> SEQUENCE: 33
  1185 gcggccgcgc ccaggcgccc cttcccctgt ggggcaaccc aagccgggga cgcgtgaacc    60
  1187 acctccgtag ccgccccgcc agcacccccа gccgtgcgcc cctgcaccac gcagctgccc   120
  1189 tgcgcatgga gcccagaggg acagcaggcc cggcccccag caccaccggc ctgccgggag   180
  1191 gttcgggaaa ctggcgtcgc agcggagagg gcatcaggcc aacgcctccc ccgaggctca   240
  1193 gctgcgggct cccaggcgta ggcacccacg gcccttacgc tgaccgtagc ttggacgccg   300
  1195 ctgccgccgg ggtccaatgc cggtcatgcc catcccgcgg gggttgtgct ccttccatgg   360
  1197 tccacacacc acctgcctgc atgcggtctg tgggcccgtg ggcgcctccc acctggcccg   420
  1199 caccaagtac aacagcttcg aggtgtgcat caagacgcgc tggctgtagg gcttcatcca   480
  1201 cttcctgctc tacttcagct gcagcctgtc actggggcac gctggccgcc ttcttctgcc   540
E--> 1202 gggcgttagc gtcctcctgt gcttccaaca caagctgtgg gtgctgctgc (600)   590
E--> 1204 tgctgcttgg cccgctggcg cgttgaaatt tcgctgttga acgagctgct catctacagc   (660
E--> 1206 atccacgtca acatgcttgt tgtatggggg cctggctgg atgcctaa                708) nas. off
```

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/775,398

DATE: 02/21/2001
TIME: 10:53:04

Input Set : A:\ES.txt
Output Set: N:\CRF3\02212001\I775398.raw

```
L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:21 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:58 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:112 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:198 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:284 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:407 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:446 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12
L:462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:535 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:582 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:623 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:672 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:778 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
L:800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:851 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:917 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1086 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30
L:1092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1136 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/775,398

DATE: 02/21/2001
TIME: 10:53:04

Input Set : A:\ES.txt
Output Set: N:\CRF3\02212001\I775398.raw

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L:1164 M:3'1 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1202 M:254 E: No. of Bases conflict, LENGTH:Input:600 Counted:590 SEQ:33
M:254 Repeated in SeqNo=33
L:1206 M:252 E: No. of Seq. differs, <211>LENGTH:Input:708 Found:698 SEQ:33
L:1419 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:40
L:1451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1487 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:42
L:1511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1614 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45
L:1644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1693 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46
L:1719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1762 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47
L:1790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1864 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49
L:1890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1934 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:51
L:1964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:2056 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:55
L:2130 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:57
L:2210 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59
L:2605 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66
L:2679 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:68
L:2829 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:70
L:2876 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:71
L:2913 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:72
L:3099 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:77
L:3233 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:81
L:3746 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:88
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